



FIG.1

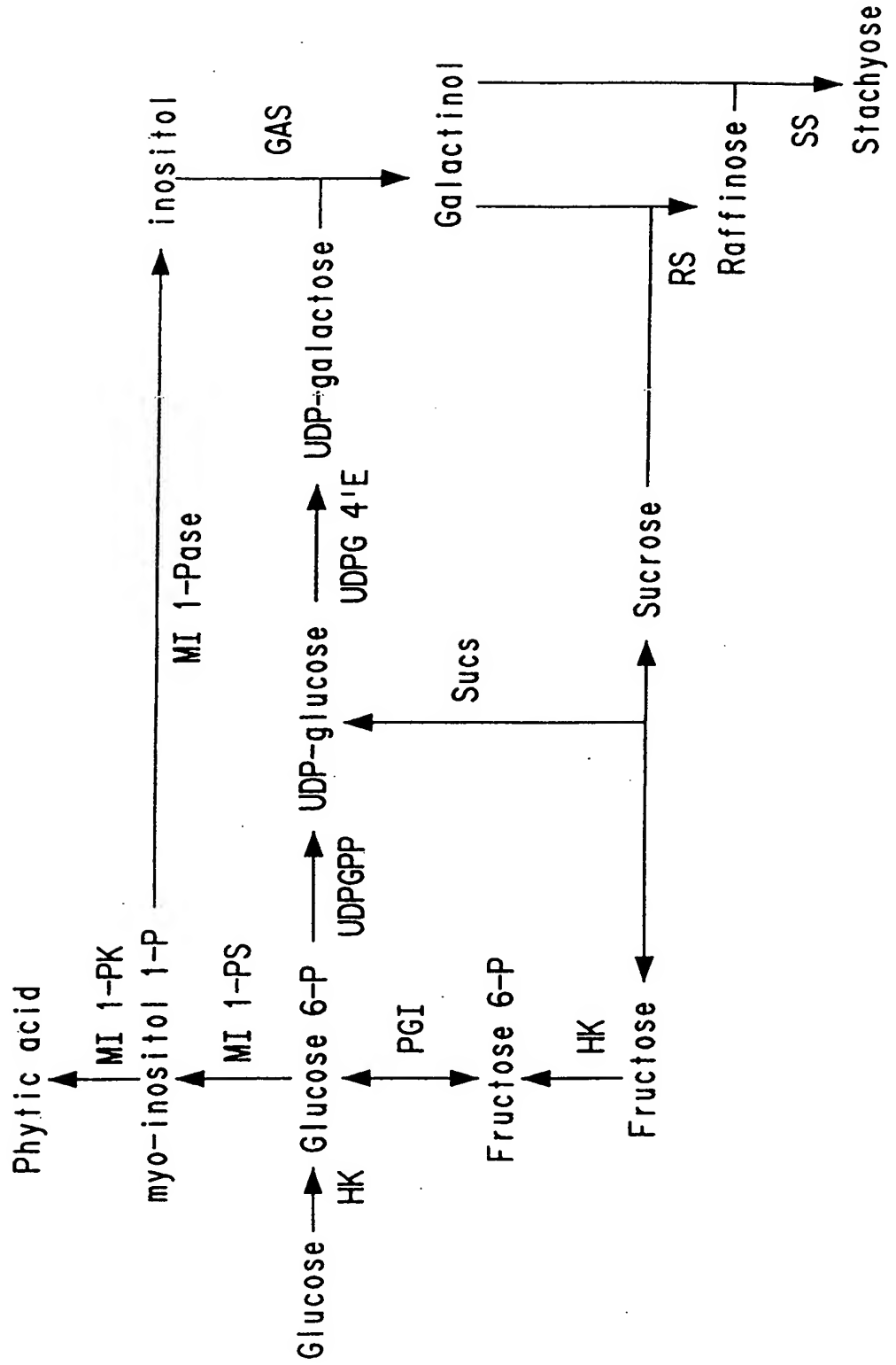


Figure 2

1  
SEQ ID NO:1 ATGTTTCATCGAGAAATTTAAGGTGAGTGTCTTAATGTGAAGTACACCGAGACTGAGATT 60  
SEQ ID NO:5 ATGTTTCATCGAGAAATTTAAGGTGAGTGTCTTAATGTGAAGTACACCGAGACTGAGATT  
SEQ ID NO:9 ATGTTTCATCGAGAAATTTAAGGTGAGTGTCTTAATGTGAAGTACACCGAGACTGAGATT  
SEQ ID NO:11 ATGTTTCATCGAGAAATTTAAGGTAGAGAGTCTTAATGTGAAGTACACCGAGACTGAGATT  
SEQ ID NO:13 ATGTTTCATCGAGAAATTTAAGGTAGAGAGTCTTAATGTGAAGTACACCGAGACTGAGATT  
SEQ ID NO:15 ATGTTTCATCGAGAAATTTAAGGTAGAGAGTCTTAATGTGAAGTACACCGAGACTGAGATT

61  
SEQ ID NO:1 CAGTCCGTGTACAACTACGAAACCCACCGAACTTGTTCACGAGAACAGGAATGGCACCTAT 120  
SEQ ID NO:5 CAGTCCGTGTACAACTACGAAACCCACCGAACTTGTTCACGAGAACAGGAATGGCACCTAT  
SEQ ID NO:9 CAGTCCGTGTACAACTACGAAACCCACCGAACTTGTTCACGAGAACAGGAATGGCACCTAT  
SEQ ID NO:11 CAGTCCGTGTACAACTACGAAACCCACCGAACTTGTTCACGAGAACAGGAATGGCACCTAT  
SEQ ID NO:13 CAGTCCGTGTACAACTACGAAACCCACCGAACTTGTTCACGAGAACAGGAATGGCACCTAT  
SEQ ID NO:15 CAGTCCGTGTACAACTACGAAACCCACCGAACTTGTTCACGAGAACAGGAATGGCACCTAT

121  
SEQ ID NO:1 CAGTGGATTGTCAAACCCCAAATCTGTCAAATACGAATTTAAACCAACATCCCATGTTCCCT 180  
SEQ ID NO:5 CAGTGGATTGTCAAACCCCAAATCTGTCAAATACGAATTTAAACCAACATCCCATGTTCCCT  
SEQ ID NO:9 CAGTGGATTGTCAAACCCCAAATCTGTCAAATACGAATTTAAACCAACATCCCATGTTCCCT  
SEQ ID NO:11 CAGTGGATTGTCAAACCCCAAATCTGTCAAATACGAATTTAAACCAACATCCCATGTTCCCT  
SEQ ID NO:13 CAGTGGATTGTCAAACCCCAAATCTGTCAAATACGAATTTAAACCAACATCCCATGTTCCCT  
SEQ ID NO:15 CAGTGGATTGTCAAACCCCAAATCTGTCAAATACGAATTTAAACCAACATCCCATGTTCCCT

181  
SEQ ID NO:1 AAATTAGGGGTAAATGCTTTGGGTTGGGTTGGGTTGGAACAACGGCTCAACCCCTCACCGGTGGT 240  
SEQ ID NO:5 AAATTAGGGGTAAATGCTTTGGGTTGGGTTGGGTTGGAACAACGGCTCAACCCCTCACCGGTGGT  
SEQ ID NO:9 AAATTAGGGGTAAATGCTTTGGGTTGGGTTGGGTTGGAACAACGGCTCAACCCCTCACCGGTGGT  
SEQ ID NO:11 AAATTGGGGGTGATGCTTTGGGTTGGGTTGGGTTGGAACAACGGCTCTACCCCTCACCGGTGGT  
SEQ ID NO:13 AAATTGGGGGTGATGCTTTGGGTTGGGTTGGGTTGGAACAACGGCTCTACCCCTCACCGGTGGT  
SEQ ID NO:15 AAATTGGGGGTGATGCTTTGGGTTGGGTTGGGTTGGAACAACGGCTCTACCCCTCACCGGTGGT

300

	SEQ ID NO: 1	GGATGGGATATCAGCAACATGAACCTGGTGATGCCATGGCCAGGGCAAAGGTGTTTGCAC	480
	SEQ ID NO: 5	GGATGGGATATCAGCAACATGAACCTGGTGATGCCATGGCCAGGGCAAAGGTGTTTGCAC	
	SEQ ID NO: 9	GGATGGGATATCAGCAACATGAACCTGGTGATGCCATGGCCAGGGCAAAGGTGTTTGCAC	
	SEQ ID NO: 11	GGATGGGATATCAGCAACATGAACCTGGTGATGCCATGGCCAGGGCAAAGGTGTTTGCAC	
	SEQ ID NO: 13	GGATGGGATATCAGCAACATGAACCTGGTGATGCCATGGCCAGGGCAAAGGTGTTTGCAC	
	SEQ ID NO: 15	GGATGGGATATCAGCAACATGAACCTGGTGATGCCATGGCCAGGGCAAAGGTGTTTGCAC	

Figure 2 (cont.)

481  
SEQ ID NO:1 ATCGATTTGCAGAACGAGTTGAGGCCCTTACATGGAATCCATGCTTCCACTCCCCGGAATC  
SEQ ID NO:5 ATCGATTTGCAGAACGAGTTGAGGCCCTTACATGGAATCCATGCTTCCACTCCCCGGAATC  
SEQ ID NO:9 ATCGATTTGCAGAACGAGTTGAGGCCCTTACATGGAATCCATGCTTCCACTCCCCGGAATC  
SEQ ID NO:11 ATCGATTTGCAGAACGAGTTGAGGCCCTTACATGGAATCCATGCTTCCACTCCCCGGAATC  
SEQ ID NO:13 ATCGATTTGCAGAACGAGTTGAGGCCCTTACATGGAATCCATGCTTCCACTCCCCGGAATC  
SEQ ID NO:15 ATCGATTTGCAGAACGAGTTGAGGCCCTTACATGGAATCCATGCTTCCACTCCCCGGAATC

541  
SEQ ID NO:1 TATGACCCCGGATTTTCATTGCTGCCAACCAAGAGGAGCGTGCCCAACACACGTTCATCAAGGGC  
SEQ ID NO:5 TATGACCCCGGATTTTCATTGCTGCCAACCAAGAGGAGCGTGCCCAACACACGTTCATCAAGGGC  
SEQ ID NO:9 TATGACCCCGGATTTTCATTGCTGCCAACCAAGAGGAGCGTGCCCAACACACGTTCATCAAGGGC  
SEQ ID NO:11 TATGACCCCGGATTTTCATTGCTGCCAACCAAGAGGAGCGTGCCCAACACACGTTCATCAAGGGC  
SEQ ID NO:13 TATGACCCCGGATTTTCATTGCTGCCAACCAAGAGGAGCGTGCCCAACACACGTTCATCAAGGGC  
SEQ ID NO:15 TATGACCCCGGATTTTCATTGCTGCCAACCAAGAGGAGCGTGCCCAACACACGTTCATCAAGGGC

601  
SEQ ID NO:1 ACAAGCAAGAGCAAGTTCAACAAATCATCAAGACATCAAGGCGTTTAAGGAAGCCACC  
SEQ ID NO:5 ACAAGCAAGAGCAAGTTCAACAAATCATCAAGACATCAAGGCGTTTAAGGAAGCCACC  
SEQ ID NO:9 ACAAGCAAGAGCAAGTTCAACAAATCATCAAGACATCAAGGCGTTTAAGGAAGCCACC  
SEQ ID NO:11 ACAAGCAAGAGCAAGTTCAACAAATCATCAAGACATCAAGGCGTTTAAGGAAGCCACC  
SEQ ID NO:13 ACAAGCAAGAGCAAGTTCAACAAATCATCAAGACATCAAGGCGTTTAAGGAAGCCACC  
SEQ ID NO:15 ACAAGCAAGAGCAAGTTCAACAAATCATCAAGACATCAAGGCGTTTAAGGAAGCCACC

661  
SEQ ID NO:1 AAAGTGGACAAGGTGGTTGTACTGTGGACTGCCAACACAGAGAGGTACAGTAATTTGGTT  
SEQ ID NO:5 AAAGTGGACAAGGTGGTTGTACTGTGGACTGCCAACACAGAGAGGTACAGTAATTTGGTT  
SEQ ID NO:9 AAAGTGGACAAGGTGGTTGTACTGTGGACTGCCAACACAGAGAGGTACAGTAATTTGGTT  
SEQ ID NO:11 AAAGTGGACAAGGTGGTTGTACTGTGGACTGCCAACACAGAGAGGTACAGTAATTTGGTT  
SEQ ID NO:13 AAAGTGGACAAGGTGGTTGTACTGTGGACTGCCAACACAGAGAGGTACAGTAATTTGGTT  
SEQ ID NO:15 AAAGTGGACAAGGTGGTTGTACTGTGGACTGCCAACACAGAGAGGTACAGTAATTTGGTT



Figure 2 (cont.)

721  
SEQ ID NO:1 GTGGCCCTTAATGACACCATGGAGAATCTCTTGGCTGCTGTGGACAGAAATGAGGCTGAG 780  
SEQ ID NO:5 GTGGCCCTTAATGACACCATGGAGAATCTCTTGGCTGCTGTGGACAGAAATGAGGCTGAG  
SEQ ID NO:9 GTGGCCCTTAATGACACCATGGAGAATCTCTTGGCTGCTGTGGACAGAAATGAGGCTGAG  
SEQ ID NO:11 GTAGGCCCTTAATGACACCATGGAGAATCTCTTGGCTGCTGTGGACAGAAATGAGGCTGAG  
SEQ ID NO:13 GTAGGCCCTTAATGACACCATGGAGAATCTCTTGGCTGCTGTGGACAGAAATGAGGCTGAG  
SEQ ID NO:15 GTAGGCCCTTAATGACACCATGGAGAATCTCTTGGCTGCTGTGGACAGAAATGAGGCTGAG

781  
SEQ ID NO:1 ATTTCTCCTTCCACCTTGATGCCATTGCTTGTGTATGGAATAATGTTCTTTTCATTAAT 840  
SEQ ID NO:5 ATTTCTCCTTCCACCTTGATGCCATTGCTTGTGTATGGAATAATGTTCTTTTCATTAAT  
SEQ ID NO:9 ATTTCTCCTTCCACCTTGATGCCATTGCTTGTGTATGGAATAATGTTCTTTTCATTAAT  
SEQ ID NO:11 ATTTCTCCTTCCACCTTGATGCCATTGCTTGTGTATGGAATAATGTTCTTTTCATTAAT  
SEQ ID NO:13 ATTTCTCCTTCCACCTTGATGCCATTGCTTGTGTATGGAATAATGTTCTTTTCATTAAT  
SEQ ID NO:15 ATTTCTCCTTCCACCTTGATGCCATTGCTTGTGTATGGAATAATGTTCTTTTCATTAAT

841  
SEQ ID NO:1 GGAAGCCCTCAGAACACTTTTGTACCAGGGTGATGATCTTGCCATCGCGAGGAACACT 900  
SEQ ID NO:5 GGAAGCCCTCAGAACACTTTTGTACCAGGGTGATGATCTTGCCATCGCGAGGAACACT  
SEQ ID NO:9 GGAAGCCCTCAGAACACTTTTGTACCAGGGTGATGATCTTGCCATCGCGAGGAACACT  
SEQ ID NO:11 GGAAGCCCTCAGAACACTTTTGTACCAGGGTGATGATCTTGCCATCGCGAGGAACACT  
SEQ ID NO:13 GGAAGCCCTCAGAACACTTTTGTACCAGGGTGATGATCTTGCCATCGCGAGGAACACT  
SEQ ID NO:15 GGAAGCCCTCAGAACACTTTTGTACCAGGGTGATGATCTTGCCATCGCGAGGAACACT

901  
SEQ ID NO:1 TTGATTGGTGGAGATGACTTCAAGAGTGGTCAGACCACCAAAATGAAATCTGTGTGGTTGAT 960  
SEQ ID NO:5 TTGATTGGTGGAGATGACTTCAAGAGTGGTCAGACCACCAAAATGAAATCTGTGTGGTTGAT  
SEQ ID NO:9 TTGATTGGTGGAGATGACTTCAAGAGTGGTCAGACCACCAAAATGAAATCTGTGTGGTTGAT  
SEQ ID NO:11 TTGATTGGTGGAGATGACTTCAAGAGTGGTCAGACCACCAAAATGAAATCTGTGTGGTTGAT  
SEQ ID NO:13 TTGATTGGTGGAGATGACTTCAAGAGTGGTCAGACCACCAAAATGAAATCTGTGTGGTTGAT  
SEQ ID NO:15 TTGATTGGTGGAGATGACTTCAAGAGTGGTCAGACCACCAAAATGAAATCTGTGTGGTTGAT

961  
SEQ ID NO:1 TTCTTGTGGGGGCTGGTATCAAGCCCAACATCTATAGTCAGTTACAACCATCTGGGAAAC 1020  
SEQ ID NO:5 TTCTTGTGGGGGCTGGTATCAAGCCCAACATCTATAGTCAGTTACAACCATCTGGGAAAC  
SEQ ID NO:9 TTCTTGTGGGGGCTGGTATCAAGCCCAACATCTATAGTCAGTTACAACCATCTGGGAAAC  
SEQ ID NO:11 TTCTTGTGGGGGCTGGTATCAAGCCCAACATCTATAGTCAGTTACAACCATCTGGGAAAC  
SEQ ID NO:13 TTCTTGTGGGGGCTGGTATCAAGCCCAACATCTATAGTCAGTTACAACCATCTGGGAAAC  
SEQ ID NO:15 TTCTTGTGGGGGCTGGTATCAAGCCCAACATCTATAGTCAGTTACAACCATCTGGGAAAC

Figure 2 (cont.)



1021  
SEQ ID NO:1 AATGATGGTATGAATCTTTCGGCTCCACAACTTTCGGTTCCAAGGAAATCTCCAAGAGC  
SEQ ID NO:5 AATGATGGTATGAATCTTTCGGCTCCACAACTTTCGGTTCCAAGGAAATCTCCAAGAGC  
SEQ ID NO:9 AATGATGGTATGAATCTTTCGGCTCCACAACTTTCGGTTCCAAGGAAATCTCCAAGAGC  
SEQ ID NO:11 AATGATGGTATGAATCTTTCGGCTCCACAACTTTCGGTTCCAAGGAAATCTCCAAGAGC  
SEQ ID NO:13 AATGATGGTATGAATCTTTCGGCTCCACAACTTTCGGTTCCAAGGAAATCTCCAAGAGC  
SEQ ID NO:15 AATGATGGTATGAATCTTTCGGCTCCACAACTTTCGGTTCCAAGGAAATCTCCAAGAGC

1081  
SEQ ID NO:1 AACGTTGTTGATGATATGGTCAACAGCAATGCCATCCTCTATGAGCCTGGTGAACATCCA  
SEQ ID NO:5 AACGTTGTTGATGATATGGTCAACAGCAATGCCATCCTCTATGAGCCTGGTGAACATCCA  
SEQ ID NO:9 AACGTTGTTGATGATATGGTCAACAGCAATGCCATCCTCTATGAGCCTGGTGAACATCCA  
SEQ ID NO:11 AACGTTGTTGACGATATGGTCAACAGCAATGCCATCCTCTATGAGCCTGGTGAACATCCC  
SEQ ID NO:13 AACGTTGTTGACGATATGGTCAACAGCAATGCCATCCTCTATGAGCCTGGTGAACATCCC  
SEQ ID NO:15 AACGTTGTTGACGATATGGTCAACAGCAATGCCATCCTCTATGAGCCTGGTGAACATCCC

1141  
SEQ ID NO:1 GACCATGTTGTTATTAAAGTATGTGCCCTTACGTAGGGGACAGCAAGAGAGCCATGGAT  
SEQ ID NO:5 GACCATGTTGTTATTAAAGTATGTGCCCTTACGTAGGGGACAGCAATAGAGCCATGGAT  
SEQ ID NO:9 GACCATGTTGTTATTAAAGTATGTGCCCTTACGTAGGGGACAGCAAGAGAGCCATGGAT  
SEQ ID NO:11 GACCATGTTGTTATTAAAGTATGTGCCCTTACGTAGGGGATAGCAAGAGAGCCATGGAT  
SEQ ID NO:13 GACCATGTTGTTATTAAAGTATGTGCCCTTACGTAGGGGATAGCAAGAGAGCCATGGAT  
SEQ ID NO:15 GACCATGTTGTTATTAAAGTATGTGCCCTTACGTAGGGGATAGCAAGAGAGCCATGGAT

1200  
SEQ ID NO:1 GACCATGTTGTTATTAAAGTATGTGCCCTTACGTAGGGGACAGCAAGAGAGCCATGGAT  
SEQ ID NO:5 GACCATGTTGTTATTAAAGTATGTGCCCTTACGTAGGGGACAGCAATAGAGCCATGGAT  
SEQ ID NO:9 GACCATGTTGTTATTAAAGTATGTGCCCTTACGTAGGGGACAGCAAGAGAGCCATGGAT  
SEQ ID NO:11 GACCATGTTGTTATTAAAGTATGTGCCCTTACGTAGGGGATAGCAAGAGAGCCATGGAT  
SEQ ID NO:13 GACCATGTTGTTATTAAAGTATGTGCCCTTACGTAGGGGATAGCAAGAGAGCCATGGAT  
SEQ ID NO:15 GACCATGTTGTTATTAAAGTATGTGCCCTTACGTAGGGGATAGCAAGAGAGCCATGGAT

1260  
SEQ ID NO:1 GAGTACACTTCAGAGATATTTCATGGGTGGAAAGACACCATTTGTTTGCACAAACACATGC  
SEQ ID NO:5 GAGTACACTTCAGAGATATTTCATGGGTGGAAAGACACCATTTGTTTGCACAAACACATGC  
SEQ ID NO:9 GAGTACACTTCAGAGATATTTCATGGGTGGAAAGACACCATTTGTTTGCACAAACACATGC  
SEQ ID NO:11 GAGTACACTTCAGAGATATTTCATGGGTGGAAAGACACCATTTGTTTGCACAAACACATGT  
SEQ ID NO:13 GAGTACACTTCAGAGATATTTCATGGGTGGAAAGACACCATTTGTTTGCACAAACACATGT  
SEQ ID NO:15 GAGTACACTTCAGAGATATTTCATGGGTGGAAAGACACCATTTGTTTGCACAAACACATGT

Figure 2 (cont.)

1261  
SEQ ID NO:1 GAGGATTCCCTCTTAGCTGCTCCFATTATCTTGGACTTGGTCCCTTCTTGTGAGCTCAGC.  
SEQ ID NO:5 GAGGATTCCCTCTTAGCTGCTCCFATTATCTTGGACTTGGTCCCTTCTTGTGAGCTCAGC  
SEQ ID NO:9 GAGGATTCCCTCTTAGCTGCTCCFATTATCTTGGACTTGGTCCCTTCTTGTGAGCTCAGC  
SEQ ID NO:11 GAGGATTCCCTCTTAGCTGCTCCFATTATCTTGGACTTGGTCCCTTCTTGTGAGCTCAGC  
SEQ ID NO:13 GAGGATTCCCTCTTAGCTGCTCCFATTATCTTGGACTTGGTCCCTTCTTGTGAGCTCAGC  
SEQ ID NO:15 GAGGATTCCCTCTTAGCTGCTCCFATTATCTTGGACTTGGTCCCTTCTTGTGAGCTCAGC

1321  
SEQ ID NO:1 ACTAGATCGAGTTTAAAGCTGAAATGAGGGGAAAATTCACATTCATCCACCCAGTTGCT  
SEQ ID NO:5 ACTAGATCGAGTTTAAAGCTGAAATGAGGGGAAAATTCACATTCATCCACCCAGTTGCT  
SEQ ID NO:9 ACTAGATCGAGTTTAAAGCTGAAATGAGGGGAAAATTCACATTCATCCACCCAGTTGCT  
SEQ ID NO:11 ACTAGATCGAGTTTAAAGCTGAAATGAGGGGAAAATTCACATTCATCCACCCAGTTGCT  
SEQ ID NO:13 ACTAGATCGAGTTTAAAGCTGAAATGAGGGGAAAATTCACATTCATCCACCCAGTTGCT  
SEQ ID NO:15 ACTAGATCGAGTTTAAAGCTGAAATGAGGGGAAAATTCACATTCATCCACCCAGTTGCT

1381  
SEQ ID NO:1 ACCATCTCAGCTA CTTACCAAGGCTCCTCTGTTCCACCCGGGTACACCCAGTGGTGAAT  
SEQ ID NO:5 ACCATCTCAGCTA CTTACCAAGGCTCCTCTGTTCCACCCGGGTACACCCAGTGGTGAAT  
SEQ ID NO:9 ACCATCTCAGCTA CTTACCAAGGCTCCTCTGTTCCACCCGGGTACACCCAGTGGTGAAT  
SEQ ID NO:11 ACCATCTCAGCTA CTTACCAAGGCTCCTCTGTTCCACCCGGGTACACCCAGTGGTGAAT  
SEQ ID NO:13 ACCATCTCAGCTA CTTACCAAGGCTCCTCTGTTCCACCCGGGTACACCCAGTGGTGAAT  
SEQ ID NO:15 ACCATCTCAGCTA CTTACCAAGGCTCCTCTGTTCCACCCGGGTACACCCAGTGGTGAAT

1441  
SEQ ID NO:1 GCATTGTCAAAGCAGCGTGCAATGCTGGAACACATAATGAGGGCTTGTGTTGGATTGGCC  
SEQ ID NO:5 GCATTGTCAAAGCAGCGTGCAATGCTGGAACACATAATGAGGGCTTGTGTTGGATTGGCC  
SEQ ID NO:9 GCATTGTCAAAGCAGCGTGCAATGCTGGAACACATAATGAGGGCTTGTGTTGGATTGGCC  
SEQ ID NO:11 GCATTGTCAAAGCAGCGTGCAATGCTGGAACACATAATGAGGGCTTGTGTTGGATTGGCC  
SEQ ID NO:13 GCATTGTCAAAGCAGCGTGCAATGCTGGAACACATAATGAGGGCTTGTGTTGGATTGGCC  
SEQ ID NO:15 GCATTGTCAAAGCAGCGTGCAATGCTGGAACACATAATGAGGGCTTGTGTTGGATTGGCC

1501  
SEQ ID NO:1 CCAGAGAATAACATGATTCTCGAGTACAAGTGA  
SEQ ID NO:5 CCAGAGAATAACATGATTCTCGAGTACAAGTGA  
SEQ ID NO:9 CCAGAGAATAACATGATTCTCGAGTACAAGTGA  
SEQ ID NO:11 CCAGAGAATAACATGATTCTCGAGTACAAGTGA  
SEQ ID NO:13 CCAGAGAATAACATGATTCTCGAGTACAAGTGA  
SEQ ID NO:15 CCAGAGAATAACATGATTCTCGAGTACAAGTGA





241  
 SEQ ID NO:2 VGLNDTMENLLAAVDRNEAEISPTLYAIACVMENVFFINGSPQNTFVPG<sup>241</sup>LIDLAIAIRNT  
 SEQ ID NO:6 VGLNDTMENLLAAVDRNEAEISPTLYAIACVMENVFFINGSPQNTFVPG<sup>241</sup>LIDLAIAIRNT  
 SEQ ID NO:10 VGLNDTMENLLAAVDRNEAEISPTLYAIACVMENVFFINGSPQNTFVPG<sup>241</sup>LIDLAIAIRNT  
 SEQ ID NO:12 VGLNDTMENLLAAVDRNEAEISPTLYAIACVMENVFFINGSPQNTFVPG<sup>241</sup>LIDLAIAIRNT  
 SEQ ID NO:14 VGLNDTMENLLAAVDRNEAEISPTLYAIACVMENVFFINGSPQNTFVPG<sup>241</sup>LIDLAIAIRNT  
 SEQ ID NO:16 VGLNDTMENLLAAVDRNEAEISPTLYAIACVMENVFFINGSPQNTFVPG<sup>241</sup>LIDLAIAIRNT  
  
 301  
 SEQ ID NO:2 LIGGDDFKSGQTKMKSVLVDFLVGAGIKP<sup>301</sup>TSIVSYNHLGNNDGMNLSAPQTFRSKEISKS  
 SEQ ID NO:6 LIGGDDFKSGQTKMKSVLVDFLVGAGIKP<sup>301</sup>TSIVSYNHLGNNDGMNLSAPQTFRSKEISKS  
 SEQ ID NO:10 LIGGDDFKSGQTKMKSVLVDFLVGAGIKP<sup>301</sup>TSIVSYNHLGNNDGMNLSAPQTFRSKEISKS  
 SEQ ID NO:12 LIGGDDFKSGQTKMKSVLVDFLVGAGIKP<sup>301</sup>TSIVSYNHLGNNDGMNLSAPQTFRSKEISKS  
 SEQ ID NO:14 LIGGDDFKSGQTKMKSVLVDFLVGAGIKP<sup>301</sup>TSIVSYNHLGNNDGMNLSAPQTFRSKEISKS  
 SEQ ID NO:16 LIGGDDFKSGQTKMKSVLVDFLVGAGIKP<sup>301</sup>TSIVSYNHLGNNDGMNLSAPQTFRSKEISKS  
  
 361  
 SEQ ID NO:2 NVVDDMVNSNAILYEPGEHPDHVVVIKYVPYVVGDSKRAMDEYTSEIFMGGK<sup>361</sup>STIVLHNTC  
 SEQ ID NO:6 NVVDDMVNSNAILYEPGEHPDHVVVIKYVPYVVGDSKRAMDEYTSEIFMGGK<sup>361</sup>STIVLHNTC  
 SEQ ID NO:10 NVVDDMVNSNAILYEPGEHPDHVVVIKYVPYVVGDSKRAMDEYTSEIFMGGK<sup>361</sup>STIVLHNTC  
 SEQ ID NO:12 NVVDDMVNSNAILYEPGEHPDHVVVIKYVPYVVGDSKRAMDEYTSEIFMGGK<sup>361</sup>STIVLHNTC  
 SEQ ID NO:14 NVVDDMVNSNAILYEPGEHPDHVVVIKYVPYVVGDSKRAMDEYTSEIFMGGK<sup>361</sup>STIVLHNTC  
 SEQ ID NO:16 NVVDDMVNSNAILYEPGEHPDHVVVIKYVPYVVGDSKRAMDEYTSEIFMGGK<sup>361</sup>STIVLHNTC  
  
 421  
 SEQ ID NO:2 ED<sup>421</sup>SLLAAP<sup>421</sup>II<sup>421</sup>LD<sup>421</sup>VLL<sup>421</sup>AE<sup>421</sup>LS<sup>421</sup>TR<sup>421</sup>IE<sup>421</sup>FK<sup>421</sup>AE<sup>421</sup>NEG<sup>421</sup>K<sup>421</sup>FS<sup>421</sup>F<sup>421</sup>HP<sup>421</sup>VAT<sup>421</sup>IL<sup>421</sup>SYLT<sup>421</sup>KAP<sup>421</sup>LV<sup>421</sup>PPG<sup>421</sup>TP<sup>421</sup>PV<sup>421</sup>VN  
 SEQ ID NO:6 ED<sup>421</sup>SLLAAP<sup>421</sup>II<sup>421</sup>LD<sup>421</sup>VLL<sup>421</sup>AE<sup>421</sup>LS<sup>421</sup>TR<sup>421</sup>IE<sup>421</sup>FK<sup>421</sup>AE<sup>421</sup>NEG<sup>421</sup>K<sup>421</sup>FS<sup>421</sup>F<sup>421</sup>HP<sup>421</sup>VAT<sup>421</sup>IL<sup>421</sup>SYLT<sup>421</sup>KAP<sup>421</sup>LV<sup>421</sup>PPG<sup>421</sup>TP<sup>421</sup>PV<sup>421</sup>VN  
 SEQ ID NO:10 ED<sup>421</sup>SLLAAP<sup>421</sup>II<sup>421</sup>LD<sup>421</sup>VLL<sup>421</sup>AE<sup>421</sup>LS<sup>421</sup>TR<sup>421</sup>IE<sup>421</sup>FK<sup>421</sup>AE<sup>421</sup>NEG<sup>421</sup>K<sup>421</sup>FS<sup>421</sup>F<sup>421</sup>HP<sup>421</sup>VAT<sup>421</sup>IL<sup>421</sup>SYLT<sup>421</sup>KAP<sup>421</sup>LV<sup>421</sup>PPG<sup>421</sup>TP<sup>421</sup>PV<sup>421</sup>VN  
 SEQ ID NO:12 ED<sup>421</sup>SLLAAP<sup>421</sup>II<sup>421</sup>LD<sup>421</sup>VLL<sup>421</sup>AE<sup>421</sup>LS<sup>421</sup>TR<sup>421</sup>IE<sup>421</sup>FK<sup>421</sup>AE<sup>421</sup>NEG<sup>421</sup>K<sup>421</sup>FS<sup>421</sup>F<sup>421</sup>HP<sup>421</sup>VAT<sup>421</sup>IL<sup>421</sup>SYLT<sup>421</sup>KAP<sup>421</sup>LV<sup>421</sup>PPG<sup>421</sup>TP<sup>421</sup>PV<sup>421</sup>VN  
 SEQ ID NO:14 ED<sup>421</sup>SLLAAP<sup>421</sup>II<sup>421</sup>LD<sup>421</sup>VLL<sup>421</sup>AE<sup>421</sup>LS<sup>421</sup>TR<sup>421</sup>IE<sup>421</sup>FK<sup>421</sup>AE<sup>421</sup>NEG<sup>421</sup>K<sup>421</sup>FS<sup>421</sup>F<sup>421</sup>HP<sup>421</sup>VAT<sup>421</sup>IL<sup>421</sup>SYLT<sup>421</sup>KAP<sup>421</sup>LV<sup>421</sup>PPG<sup>421</sup>TP<sup>421</sup>PV<sup>421</sup>VN  
 SEQ ID NO:16 ED<sup>421</sup>SLLAAP<sup>421</sup>II<sup>421</sup>LD<sup>421</sup>VLL<sup>421</sup>AE<sup>421</sup>LS<sup>421</sup>TR<sup>421</sup>IE<sup>421</sup>FK<sup>421</sup>AE<sup>421</sup>NEG<sup>421</sup>K<sup>421</sup>FS<sup>421</sup>F<sup>421</sup>HP<sup>421</sup>VAT<sup>421</sup>IL<sup>421</sup>SYLT<sup>421</sup>KAP<sup>421</sup>LV<sup>421</sup>PPG<sup>421</sup>TP<sup>421</sup>PV<sup>421</sup>VN  
  
 481  
 SEQ ID NO:2 ALSKQ<sup>481</sup>RAM<sup>481</sup>LEN<sup>481</sup>IM<sup>481</sup>RAC<sup>481</sup>VG<sup>481</sup>LAPEN<sup>481</sup>NM<sup>481</sup>ILEYK  
 SEQ ID NO:6 ALSKQ<sup>481</sup>RAM<sup>481</sup>LEN<sup>481</sup>IM<sup>481</sup>RAC<sup>481</sup>VG<sup>481</sup>LAPEN<sup>481</sup>NM<sup>481</sup>ILEYK  
 SEQ ID NO:10 ALSKQ<sup>481</sup>RAM<sup>481</sup>LEN<sup>481</sup>IM<sup>481</sup>RAC<sup>481</sup>VG<sup>481</sup>LAPEN<sup>481</sup>NM<sup>481</sup>ILEYK  
 SEQ ID NO:12 ALSKQ<sup>481</sup>RAM<sup>481</sup>LEN<sup>481</sup>IM<sup>481</sup>RAC<sup>481</sup>VG<sup>481</sup>LAPEN<sup>481</sup>NM<sup>481</sup>ILEYK  
 SEQ ID NO:14 ALSKQ<sup>481</sup>RAM<sup>481</sup>LEN<sup>481</sup>IM<sup>481</sup>RAC<sup>481</sup>VG<sup>481</sup>LAPEN<sup>481</sup>NM<sup>481</sup>ILEYK  
 SEQ ID NO:16 ALSKQ<sup>481</sup>RAM<sup>481</sup>LEN<sup>481</sup>IM<sup>481</sup>RAC<sup>481</sup>VG<sup>481</sup>LAPEN<sup>481</sup>NM<sup>481</sup>ILEYK